

WHAT IS CLAIMED IS:

1. A hinge connecting a first member and a second member in an openable and closable manner to each other, said hinge for electronic
5 equipment comprising:

a case body having a rotation arresting means on an outer periphery thereof, inserted into and arrested at one of cylindrical mounting portions of said first member and said second member;

a shaft mounted by passing axially through a center portion of said
10 case body with an end portion side thereof being arrested at said case body;

a slide key mounted on said shaft in a manner constrained rotation by the shaft and in an axially slidable manner, and having an arresting portion at an end portion thereof;

an outer cam having a rotation arresting means on an outer periphery
15 thereof and inserted into and arrested at one of the other cylindrical mounting portions of said first member and said second member, accommodating said slide key inside thereof in axially slidable manner and provided in a manner constrained rotation by said shaft;

an inner cam accommodated in an axially slidable manner in said
20 outer cam which passes said slide key together with said shaft axially through the center portion of said outer cam, having an arresting projection which disengages from the arresting portion of said slide key in accordance with a rotation angle;

a slider cam provided in confrontation with said inner cam and said
25 outer cam and passing said shaft axially through the center portion thereof, being mounted in an axially slidable manner in said case body in a manner constrained rotation;

a first compression spring elastically provided between said slider cam and said case body;

30 a second compression spring elastically provided between said slide key and said outer cam and having less elastic force than that of said first compression spring; and

a push-button mounted on said slide key, wherein

said outer cam and said inner cam have cam portions in a same direction and said slider cam has a cam portion on the side confronting the cam portions of said outer cam and said inner cam; a convex portion of the cam portion of said slider cam normally engages with the arresting projection of said inner cam of which rotation is blocked by said slide key, whereas, a pressing operation of said push-button disengages the arresting portion of said slide key from the arresting projection of said inner cam so that the cam portion of said slider cam is guided to the cam portion of said outer cam to thereby rotate together with said case body.

2. The hinge for electronic equipment according to claim 1, wherein said inner cam comprises:

a deformed through hole for engaging with the arresting portion of said slide key to block rotation of said slide key;

a circular through hole for allowing rotation of the arresting portion of said slide key; and

a stepped portion provided to block an axial movement of the arresting portion in the circular through hole in accordance with the rotation angle.

3. The hinge for electronic equipment according to claim 1 or claim 2, wherein

a means for allowing said slide key to slide axially under conditions constrained rotation against said shaft is a long hole provided axially by passing radially through said slide key and a pin mounted on said shaft which engages with the long hole, and at the same time, a means for securing said outer cam to said shaft is the pin.

4. An electronic equipment wherein

said hinge for electronic equipment according to any one of claim 1 to claim 3 is used in a connecting section of a first member and a second

member connected in an openable and closable manner to each other.